

C 32327

(Pages : 2)

Name.....

Reg. No.....

**FIRST SEMESTER B.Ed. DEGREE EXAMINATION, NOVEMBER 2017**

Education

**EDU 5.11—THEORETICAL BASES OF TEACHING NATURAL SCIENCE**

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

**Part A**

*Answer all questions.*

*Each question carries 2 marks.*

1. How does concept differ from a fact ?
2. List out any two disadvantages of process and product approach.
3. What are the advantages of Role play method ?
4. What is hidden curriculum ?
5. List out the basic elements of models of teaching.
6. Do you think that the speech pattern of a teacher helps in the teaching learning process ? Write your opinion.
7. List out the effects of Concept Attainment Model.
8. Write down any four objectives of teaching Natural Science with respect to KCF 2007.
9. State the significance of link practice in pre-service training course.
10. What is advance organiser ?

(10 × 2 = 20 marks)

**Part B**

*Answer any ten questions.*

*Each question carries 4 marks.*

11. Justify the concept 'science is as scientist does'.
12. Mention the qualities of a person with scientific attitude.
13. Why we consider the sociological and psychological needs in constructing science curriculum ?
14. How does theory differ from law ? Give examples.

**Turn over**

15. Compare Reception learning and Discovery learning.
16. Explain the steps in Problem solving method.
17. Write a short note on micro-teaching cycle.
18. What are the educational implications of social constructivism ?
19. Show your familiarity with the eight major issues put forwarded by KCF2007 as the core of our new curriculum.
20. Explain the different steps in Brain storming technique.
21. Explain any three core teaching skills.
22. Compare role play and simulation.

(10 × 4 = 40 marks)

### Part C

*Answer any two questions.*

*Each question carries 10 marks.*

23. What are the requisites of a good demonstration ? Explain about Demonstration method.
24. Describe the basic elements of Inquiry Training Model.
25. As a Biology teacher, how will you correlate different school subjects with Biology ? Illustrate with examples.

(2 × 10 = 20 marks)